

What is claimed is:

1. A portable fume exhauster and dryer adapted to be supported on a surface, comprising:
  - a. a housing having at least a front, a side and a bottom;
  - b. said housing including an intake aperture in said front and an exhaust aperture in said side;
  - c. said housing having at least one flange extending outwardly with respect to at least one of said apertures in said housing;
  - d. a motor driven fan mounted in said housing for moving air therethrough from said intake aperture to said exhaust aperture;
  - e. at least one pair of supporting members positioned at said bottom of the housing; and
  - f. at least one individually vertically adjustable member mounted to each of said supporting members adapted to adjustably support the fume exhauster and dryer on the surface.
2. The portable fume exhauster and dryer of claim 1, wherein said at least one flange is adapted to support one end of a flexible conduit capable of passing air therethrough.
3. The portable fume exhauster and dryer of claim 1, wherein said at least one flange is adapted to support a grille mounted thereto.

4. The portable fume exhauster and dryer of claim 3, wherein a grille is removably mounted to said at least one flange, whereby the at least one aperture in said housing is covered by said grille when mounted to said flange.
5. The portable fume exhauster and dryer of claim 1, wherein said flange extending outwardly with respect to said aperture in the side of said housing is adapted to support a cover mounted thereto, whereby the said cover is capable of substantially reducing the exhaust of air through said aperture.
6. The portable fume exhauster and dryer of claim 5, wherein said flange is adapted to support one end of a flexible conduit capable of passing air therethrough, is adapted to support a grille removably mounted thereto, and is adapted to support a cover mounted thereto, whereby the said cover is capable of substantially reducing the exhaust of air through said aperture.
7. The portable fume exhauster and dryer of claim 1, wherein each of said apertures has a flange extending outwardly with respect to said housing.
8. The portable fume exhauster and dryer of claim 7, wherein said flanges are each adapted to support one end of a flexible conduit capable of passing air therethrough.

9. The portable fume exhauster and dryer of claim 1, wherein said flanges are each adapted to support a grille mounted thereto.
10. The portable fume exhauster and dryer of claim 1, wherein said flanges are each adapted to support one end of a flexible conduit capable of passing air therethrough and are each adapted to support a grille removably mounted thereto.
11. The portable fume exhauster and dryer of claim 1, wherein said housing includes a top surface portion and a handle thereon.
12. The portable fume exhauster and dryer of claim 11 wherein said handle is integral with said top surface portion.
13. The portable fume exhauster and dryer of claim 11, wherein said handle is mounted on said top surface portion.
14. The portable fume exhauster and dryer of claim 1, wherein said motor driven fan mounted in said housing for moving air therethrough is electrically controlled by a switch mounted on said housing.

15. The portable fume exhauster and dryer of claim 13, wherein said switch is a push button switch capable of being operated by an operator wearing protective clothing.

16. The portable fume exhauster and dryer of claim 1, wherein said motor drive fan mounted in said housing for moving air therethrough is electrically controlled by electrical circuitry which includes elements for protection against electric surges, thermal overload and electric shock.

17. The portable fume exhauster and dryer of claim 16, wherein said circuitry includes a variable speed control the speed of the motor driven fan.

18. The portable fume exhauster and dryer of claim 1, wherein said housing has a rear and includes an exhaust aperture in said rear, and includes a flange extending outwardly with respect to the aperture in the rear of said housing.

19. The portable fume exhauster and dryer of claim 18, wherein said flanges are each adapted to support one end of a flexible conduit capable of passing air therethrough and are each adapted to support a grille removably mounted thereto.

20. The portable fume exhauster and dryer of claim 19, wherein said flanges extending outwardly with respect to said apertures in the side and rear of said housing are each adapted to support a cover mounted thereto, whereby the said

covers are capable of substantially reducing the exhaust of air through each of said apertures.

21. A portable fume exhauster and dryer adapted to be supported on a surface, comprising:

- a. a housing having at least a front surface portion, a side surface portion, a rear portion, a bottom surface portion and a top portion;
- b. said front surface portion defining an intake aperture and having a flange extending outwardly with respect to said housing from adjacent said intake aperture adapted to support a grille mounted thereto and adapted to support one end of a flexible conduit capable of passing air therethrough;
- c. said side portion and said rear portion each defining an exhaust aperture and each having a flange extending outwardly with respect to said housing from adjacent each said exhaust aperture, each flange adapted to support a grille removably mounted thereto and adapted to support one end of a flexible conduit capable of passing air therethrough, and each of said flanges extending outwardly with respect to said apertures in the side and said rear portions of said housing adapted to support a cover mounted thereto, whereby each said cover is capable of substantially reducing the exhaust of air through said aperture
- d. a motor driven fan mounted in said housing capable of moving air therethrough from said intake aperture to at least one of said exhaust apertures;

e. at least one pair of supporting members positioned at said bottom of the housing; and

f. at least one individually vertically adjustable member mounted to each of said supporting members adapted to adjustably support the fume exhauster and dryer on the surface.

22. The portable fume exhauster and dryer of claim 21, wherein said top portion has a handle thereon.

23. The portable fume exhauster and dryer of claim 21, wherein said motor drive fan mounted in said housing for moving air therethrough is electrically controlled by a push button switch mounted on said housing and being capable of being operated by an operator wearing protective clothing.

24. The portable fume exhauster and dryer of claim 21, wherein said motor driven fan mounted in said housing for moving air therethrough is electrically controlled by electrical circuitry which includes elements for protection against electric surges, thermal overload and electric shock.

25. The portable fume exhauster and dryer of claim 1, wherein said at least one flange has a filter support secured thereto and a filter member positionable within said filter support capable of reducing the amount of particulate matter passing through the aperture with respect to the said at least one flange.

26. The portable fume exhauster and dryer of claim 18, wherein at least one of said flanges in said side and said rear has a filter support secured thereto and a filter member positionable within said filter support capable of reducing the amount of particulate matter passing through the aperture with respect to the said at least one flange.

27. A portable fume exhauster and dryer adapted to be supported on a surface, comprising:

- a. a housing having a bottom;
- b. said housing having portions defining an intake aperture and an exhaust aperture;
- c. a motor driven fan mounted in said housing for moving air therethrough from said intake aperture to said exhaust aperture;
- d. a filter support secured to said housing adjacent and with respect to the portion thereof defining the exhaust aperture, said filter support being capable of supporting a filter member positioned within said filter support capable of reducing the amount of particulate matter passing through the exhaust aperture;
- e. at least one pair of supporting members positioned at said bottom of the housing; and
- f. at least one adjustable member mounted to each of said supporting members adapted to adjustably support the fume exhauster and dryer on the surface.